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AMSAT NEWS SERVICE
ANS-001

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The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

ANS-001 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2023 Jan 01 - Wishing All a Happy and Prosperous New Year

W2RS Memorial AMSAT CW Activity Day to be Held January 1st

In March 2022, the AMSAT community lost one of our pioneers when Ray Soifer, W2RS, became a silent key. In addition to his numerous contributions to AMSAT and the worldwide amateur satellite community, Ray was also the long time organizer of AMSAT's CW Activity Day - previously AMSAT Straight Key Night - held in conjunction with the ARRL's event on New Year's Day. In recognition of Ray's long time service to AMSAT and his keen interest in CW operating via satellite, AMSAT is pleased to announce that AMSAT's CW Activity Day will now be known as the W2RS Memorial AMSAT CW Activity Day in Ray's honor.

The rules are simple - operate CW through any amateur satellite between 0000 UTC and 2359 UTC on January 1, 2023. Straight keys and bugs are encouraged, but not required. Logs are not required, but operators are encouraged to

submit a report of their activity to the AMSAT-BB. Photos and video clips of activity are also encouraged - post them on Twitter and tag @AMSAT.

Remember to use the minimum power required for communication as constant carrier modes, including CW, can disrupt transponder operation for other users.

[ANS thanks AMSAT for the above information]

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"From satellite communications to rockets carrying humans into deep space, space debris is a massive threat to space operations," said Hickenlooper, chair of the Senate Subcommittee on Space and Science. "I'm over the moon that our ORBITS Act passed and we can start cleaning up this space junk."

Space junk, or orbital debris, currently threatens human space exploration, scientific research missions, and emerging commercial space services. There are approximately 8,000 metric tons of debris currently in orbit, including at least 900,000 individual pieces of debris that are potentially lethal to satellites. Because of the magnitude of the current debris, simply preventing more debris in the future is not enough. The ORBITS Act will jumpstart a program focused on research, development, and the demonstration of technologies capable of safely carrying out successful Active Debris Remediation (ADR) missions to create a new market for these services.

Additional information may be found at https://bit.ly/3WwsCCa

[ANS thanks spacedaily.com for the above information]

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Any help from the community would be greatly appreciated.

[ANS thanks Michael Roth and Kristen Kucko or Thomas Jefferson High School and JoAnne Maenpaa, K9JKM, for the above information]

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amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.

No School Contacts are currently scheduled.

The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

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satellites, a mission to begin populating a new orbital shell authorized by federal regulators earlier this month for the company□s Starlink Gen2 network. Liftoff of the Falcon 9 rocket from pad 40 at Cape Canaveral Space Force Station on SpaceX□s Starlink 5-1 mission occurred at 4:34 a.m. EST (0934 GMT) Wednesday, about six minutes earlier than previously announced. The mission was SpaceX□s 60th launch of the year, with one more Falcon 9 flight set to blast off later this week from Vandenberg Space Force Base, California, with an Israeli Earth-imaging satellite. he 54 satellites launching Wednesday were the first spacecraft deployed into a new segment of the Starlink constellation. The Falcon 9 rocket released the 54 satellites at an orbital altitude and inclination set aside for use by SpaceX□s second-generation Starlink network, which the company eventually intends to launch on the new Starship mega-rocket. More at https://bit.ly/3IcrO0P. [ANS thanks spaceflightnow.com for the above information]

+ An Israeli reconnaissance satellite was carried into orbit during the final SpaceX launch of the year. The EROS-3 Earth-imaging satellite was launched aboard a Falcon 9 rocket from Vandenberg Space Force Base in California at 11:38 p.m. Thursday. The first stage detached successfully and landed on a SpaceX pad eight minutes after launch. The rocket was launched in retrograde, against the direction of the Earth's rotation, and carried the EROS-3 into low Earth orbit. More information is available at: https://bit.ly/3G8FXJI [ANS thanks Patrick Hilsman, UPI and Spacedaily.com for the above information]

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor, Jack Spitznagel
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